

Substitute
Specification

TITLE OF THE INVENTION

Radio-frequency phase shift assembly

CROSS-REFERENCES TO RELATED APPLICATIONS

[0001] This application is the US national phase of international application PCT/EP00/07236 filed 27 July 2000, which designated the US.

[0002] This application is related to applicants' co-pending application serial number 10/240,317 filed October 1, 2002.

FIELD

[0003] The invention relates to a radio-frequency phase shift assembly.

BACKGROUND AND SUMMARY

[0004] Phase shifters are used, for example, for trimming the delay time of microwave signals in passive or active networks. As a known principle, the delay time of a line is used to trim the phase angle of a signal and, in consequence, a variable phase angle means that the lines have different electrically effective lengths.

[0005] For applications in antennas with an electrically adjustable notch in the polar diagram, the signals have different delay times to the individual radiating elements, for example dipoles. The difference in the delay times between two adjacent radiating elements is approximately the same for a specific notch angle in an array of radiating elements arranged